

NEK11 Antibody (monoclonal) (M01)**Mouse monoclonal antibody raised against a full length recombinant NEK11.****Catalog # AT3014a****Specification**

NEK11 Antibody (monoclonal) (M01) - Product Information

Application	WB, IHC, IF
Primary Accession	Q8NG66
Other Accession	BC028587
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG1 kappa
Calculated MW	74192

NEK11 Antibody (monoclonal) (M01) - Additional Information**Gene ID** 79858**Other Names**

Serine/threonine-protein kinase Nek11, Never in mitosis A-related kinase 11, NimA-related protein kinase 11, NEK11 (http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=18593)
HGNC:18593

Target/Specificity

NEK11 (AAH28587, 1 a.a. ~ 482 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution

WB~~1:500~1000
IHC~~1:100~500
IF~~1:50~200

Format

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions

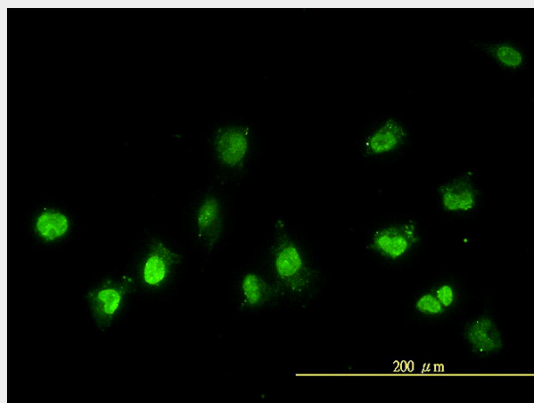
NEK11 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

NEK11 Antibody (monoclonal) (M01) - Protocols

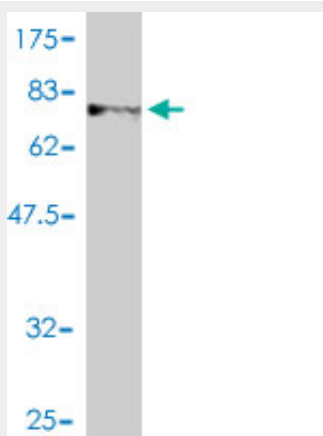
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

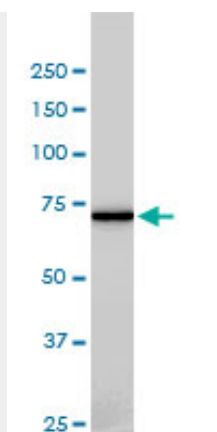
NEK11 Antibody (monoclonal) (M01) - Images



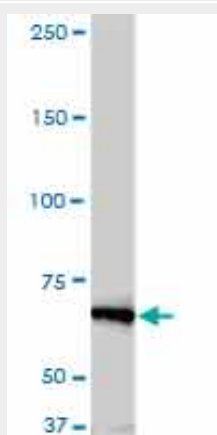
Immunofluorescence of monoclonal antibody to NEK11 on HeLa cell. [antibody concentration 10 ug/ml]



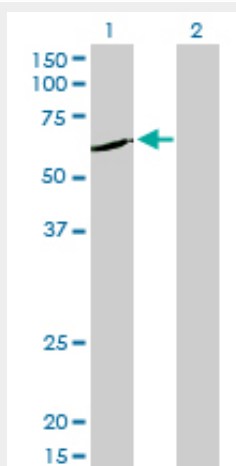
Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (78.54 KDa) .



NEK11 monoclonal antibody (M01), clone 4E1-1F4 Western Blot analysis of NEK11 expression in HL-60 (Cat # AT3014a)



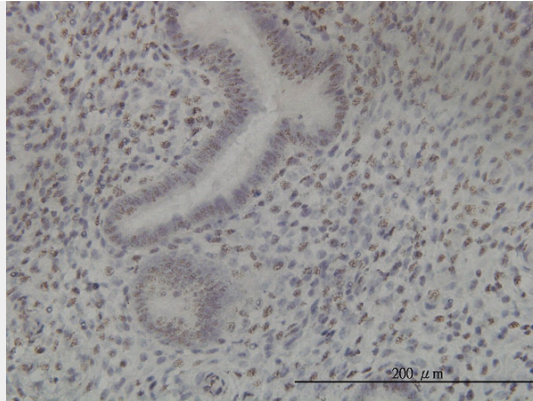
NEK11 monoclonal antibody (M01), clone 4E1-1F4. Western Blot analysis of NEK11 expression in A-431 (Cat # AT3014a)



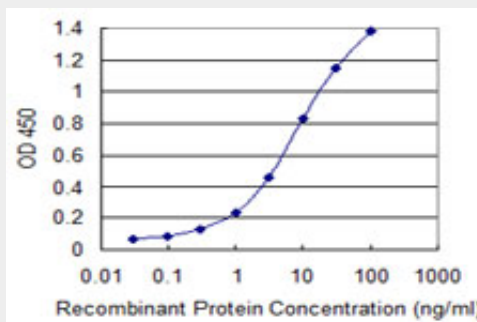
Western Blot analysis of NEK11 expression in transfected 293T cell line by NEK11 monoclonal antibody (M01), clone 4E1-1F4.

Lane 1: NEK11 transfected lysate(55.5 KDa).

Lane 2: Non-transfected lysate.



Immunoperoxidase of monoclonal antibody to NEK11 on formalin-fixed paraffin-embedded human endometrium tissue. [antibody concentration 3 ug/ml]



Detection limit for recombinant GST tagged NEK11 is 0.1 ng/ml as a capture antibody.

NEK11 Antibody (monoclonal) (M01) - Background

This gene encodes a member of the never in mitosis gene A family of kinases. The encoded protein localizes to the nucleoli, and may function with NEK2A in the S-phase checkpoint. The encoded protein appears to play roles in DNA replication and response to genotoxic stress. Alternatively spliced transcript variants have been described.

NEK11 Antibody (monoclonal) (M01) - References

Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose JE, et al. Mol Med, 2010 Jul-Aug. PMID 20379614. NEK11: linking CHK1 and CDC25A in DNA damage checkpoint signaling. Sørensen CS, et al. Cell Cycle, 2010 Feb 1. PMID 20090422. NEK11 regulates CDC25A degradation and the IR-induced G2/M checkpoint. Melixetian M, et al. Nat Cell Biol, 2009 Oct. PMID 19734889. Molecular genetics of successful smoking cessation: convergent genome-wide association study results. Uhl GR, et al. Arch Gen Psychiatry, 2008 Jun. PMID 18519826. Toward a confocal subcellular atlas of the human proteome. Barbe L, et al. Mol Cell Proteomics, 2008 Mar. PMID 18029348.